

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

156151



DATE: February 23, 1983

Region II
Emergency Response and Hazardous
Materials Inspection Branch
Edison, N.J. 08837

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TO: J. Schafer, EPA
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Emergency Response Division
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NRC
USCG 3rd Dist. (mep)
J. Stanton, NJDEP
K. Stoller, EPA
B. Ogg, EPA
TAT
C. Simon, EPA

POLREP NO.: Five (5)
INCIDENT NAME: Pine Valley Golf Club
SITE/SPILL NO: 242-83
POLLUTANT: Pesticides and Possibly Other Substances
CLASSIFICATION:
SOURCE: Disposal Site at Pine Valley Golf Club
LOCATION: Pine Valley, Clementon, New Jersey
AMOUNT: Uncertain
WATER BODY:

1. SITUATION:

A. A number of substances including a variety of pesticides have been buried on property of the Pine Valley Golf Club, Pine Valley, Clementon, Camden County, New Jersey 08021.

B. Clean-up activities consisting of excavating the substances; placing the substances in a shed, identification and temporary storage; and daily covering of the exposed site with a plastic sheet continues on a daily basis.

2. ACTION TAKEN:

A. Excavation was completed on 2/16/83.

B. On 2/17/83, split spoon samples were taken at 4 locations in the pit. Samples were split with Pine Valley Golf Club. The pit was then filled by order of the NJDEP.

C. ERT visited the site and assisted in locating or defining locations for background sampling if needed. The sampling of 2/17/83 and analytical protocol proposed by ERT were discussed.

D. A meeting convened at the Pine Valley Golf Club with the following attendees to discuss determination of how "clean is clean" relative to the situation:

Robert Mather, Manager, Pine Valley Golf Club
Dave Bute, NJDEP
Harry Alsentzer, Contractor to PVGC
Gad Tawadros, EPA
Royal Nadeau, EPA
John Hammond, TAT
George Crawford, TAT

NJDEP requested an explanation of the regulation used to justify sampling and provide criteria for determining how clean is clean. It was explained that because of the chemicals involved, heavy metals and chlorinated pesticides, and the results of leaching model forecasts, sampling was needed to assure decontamination was sufficient for protection of drinking water.

NJDEP questioned EPA's understanding of the geological profile of the area, then went into a somewhat detailed explanation of area geology and the rationale for feeling the pit was not a threat to the environment including the small amount of material, shortness of time in the ground, distance of the pit from drinking water and the intervening soils.

ERT explained that it was felt sampling was required to protect all parties to the clean-up.

D. Bute asked if samples taken on 2/18/73 would be usable, indicating that if further sampling required opening the pit again that this would be EPA's responsibility and advising PVGC to request such a direction in writing.

After discussion of the sampling it was agreed that these samples would be accepted. Analysis recommended by EPA was TOX (Total Organic Halogens) and metals. ERT proposed an analytical protocol for the TOX. One laboratory, Atlantic Ecology, had been contacted and can do the procedures required. If PVGC wanted to use another lab, it was suggested that the lab contact Mike Urban, EPA to confirm the ability to do the procedure. Determination of cleanliness would be dependent upon the relation of the pit sample analysis to a background sample taken at an area of the golf course unexposed to chemicals.

Written instruction for the analyses were requested by PVGC and agreed to by EPA. It was agreed that these sample analyses would suffice if the lab met quality assurance criteria and levels were below background. PVGC will be advised by 2/28/83 when they can expect analysis instructions.

EPA concurred with plans made to complete the project which include:

1. Completion of separating usable from unusable material
2. Moving usable material to a separate location
3. Calling in disposal contractors for the unusable material
4. When manifesting and packaging meet disposer and NJDEP approval, transportation of material to the disposal site will occur

3. FUTURE PLANS AND RECOMMENDATIONS:

A. Pine Valley Golf Club will have disposal contractors inspect excavated unusable material and obtain bids for disposal.

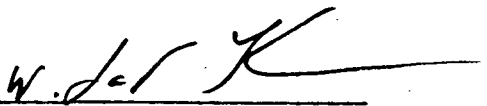
B. EPA will monitor progress.

C. When sample analysis is completed a meeting will be held to discuss future considerations.

CASE PENDING X

CASE CLOSED _____

SUBMITTED BY


W. Gad Tawadros, OSC
Emergency Response and
Hazardous Materials
Inspection Branch
(TAT)